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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PJS/ALH/P9813WO	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 03/04925	International filing date (day/month/year) 13/11/2003	(Earliest) Priority Date (day/month/year) 14/11/2002
Applicant CAMBRIDGE UNIVERSITY TECHNICAL SERVICES LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

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CLASSIFICATION OF SUBJECT MATTER
C 7 C01B31/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

INSPEC, EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 17102 A (SMALLEY RICHARD E ;UNIV ✓ RICE WILLIAM M (US); SMITH KEN (US); HAFNE) 30 March 2000 (2000-03-30) cited in the application claims 1-10,12,15 page 18, line 31 -page 19, line 2 page 12, line 12 - line 14 page 14, line 30 -page 16, line 8 page 8, line 26 -page 10, line 23	1-8,16, 20,21, 24,25, 32-37
Y	---	11,26-28
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

25 February 2004

Date of mailing of the international search report

08/03/2004

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(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>LIANG Q ET AL: "CARBON NANOTUBES PREPARED FROM CO ON PRE-REDUCED LA2NIO4 PEROVSKITE PRECURSOR"</p> <p>MATERIALS RESEARCH BULLETIN, ELSEVIER SCIENCE PUBLISHING, NEW YORK, US, vol. 36, no. 3/4, February 2001 (2001-02), pages 471-477, XP001150423</p> <p>ISSN: 0025-5408</p> <p>the whole document</p>	11
Y	<p>TERRONES M ET AL: "CARBON NITRIDE NANOCOMPOSITES: FORMATION OF ALIGNED CXNY NANOFIBER"</p> <p>ADVANCED MATERIALS, VCH VERLAGSGESELLSCHAFT, WEINHEIM, DE, vol. 11, no. 8, 2 June 1999 (1999-06-02), pages 655-658, XP000850860</p> <p>ISSN: 0935-9648</p> <p>cited in the application</p> <p>the whole document</p>	26
Y	<p>SINGH C ET AL: "Synthesis and characterization of carbon nanofibers produced by the floating catalyst method"</p> <p>JOURNAL OF PHYSICAL CHEMISTRY B, 24 OCT. 2002, ACS, USA, vol. 106, no. 42, pages 10915-10922, XP002271359</p> <p>ISSN: 1089-5647</p> <p>cited in the application</p> <p>the whole document</p>	27,28
A	<p>WO 00 30141 A (THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY)</p> <p>25 May 2000 (2000-05-25)</p> <p>the whole document</p>	1,4,5,7, 8,13
A	<p>HUANG S ET AL: "PATTERNED GROWTH AND CONTACT TRANSFER OF WELL-ALIGNED CARBON NANOTUBE FILMS"</p> <p>JOURNAL OF PHYSICAL CHEMISTRY. B, MATERIALS, SURFACES, INTERFACES AND BIOPHYSICAL, WASHINGTON, DC, US, vol. 103, no. 21, 27 May 1999 (1999-05-27), pages 4223-4227, XP000957804</p> <p>ISSN: 1089-5647</p> <p>the whole document</p>	1-3,9, 10,13, 15,20, 21,32, 34-37
	-/--	

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	<p>SINGH C ET AL: "Towards the production of large-scale aligned carbon nanotubes" CHEMICAL PHYSICS LETTERS, 6 MAY 2003, ELSEVIER, NETHERLANDS, vol. 372, no. 5-6, pages 860-865, XP002271360 ISSN: 0009-2614 the whole document</p> <p>-----</p>	<p>1-3, 10, 12, 13, 15, 19-25, 29, 34-36</p>

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/04925

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0017102	A	30-03-2000	AU 6148499 A	10-04-2000
			CA 2344180 A1	30-03-2000
			CN 1334781 T	06-02-2002
			EP 1115655 A1	18-07-2001
			JP 2002526361 T	20-08-2002
			WO 0017102 A1	30-03-2000
WO 0030141	A	25-05-2000	US 6232706 B1	15-05-2001
			EP 1131838 A1	12-09-2001
			JP 2002530805 T	17-09-2002
			WO 0030141 A1	25-05-2000
			US 2001019238 A1	06-09-2001

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